

Message Text

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PAGE 01 CARACA 11788 061558Z
ACTION ARA-14

INFO OCT-01 ISO-00 EB-08 /023 W
-----067588 062129Z /72

R 061120Z DEC 77
FM AMEMBASSY CARACAS
TO USDOC WASHDC
INFO SECSTATE WASHDC 261

UNCLAS CARACAS 11788

PASS TO OED/MEPD AND OIM

E.O. 11652: N/A
TAGS: BENC, VE
SUBJ: MAJOR PROJECT: INTERALUMINA-PRINCIPAL EQUIPMENT

REF: (A) CARACAS 11712, (B) CARACAS 11311

1. PROJECT NAME: INTERALUMINA-ALUMINA PLANT.
2. BRIEF DESCRIPTION: INTERAMERICANA DE ALUMINA, C.A.
(INTERALUMINA) HAS ISSUED A SERIES OF CALLS TO PREQUALIFY SUPPLIERS FOR THE DESIGN, FABRICATION, SUPPLY, AND SUPERVISION OF THE INSTALLATION OF THE FOLLOWING EQUIPMENT WHICH WILL BE USED IN THE ALUMINA PROJECT IN CIUDAD GUAYANA, ESTADO BOLIVAR, VENEZUELA:

A. TWO (2) BUCKET UNLOADERS (DESCARGADORES A CUCHARA) EACH WITH A CAPACITY OF 25 METRIC TONS TO UNLOAD BAUXITE FROM OCEAN-GOING BULK CARRIERS AND BARGES, TO INCLUDE THE DESIGN AND SUPPLY OF STRUCTURAL STEEL REQUIRED, AS WELL AS A 13.8 KV ELECTRIC POWER SYSTEM. THESE TWO (2) BUCKET UNLOADERS, EACH WITH A CAPACITY OF DISCHARGE APPROXIMATELY 1,000 MT/HOUR WILL FORM PART OF THE DOCK AND BULK PRODUCTS TERMINAL, CARACAS 11712.

B. THREE (3) THREE-PHASE TRANSFORMERS WITH A CAPACITY OF 115/13.
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8 KV, 60 HZ, 25 MVA ONAN, 30 MVA OMAF. THE ABOVE MENTIONED TRANSFORMERS WILL FORM PART OF A 115 KV SUB-STATION.

C. APPROXIMATELY TWO HUNDRED AND FOURTEEN (214) CENTRIFUGAL SLURRG PUMPS, FLUIDS TO BE PUMPED INCLUDE: MILL WATES, LIME WASTE, HYDRATE WASTE, SLURRY WASTE, SAND WATE AND WHITE WASH. THESE PUMPS SHOULD HAVE SPIRAL FRAMES AND MUST BE ABLE TO

OPERATE UNDER FUMES, DUST AND CAUSTIC CONDITIONS NORMALLY FOUND IN BAUXITE TREATMENT PLANTS. CAPACITY AND QUANTITY DESIRED ARE:

A. HORIZONTAL PUMPS:

CAPACITY	QUANTITY
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20 TO 100 M3H	65
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100 TO 500 M3H	50
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500 TO 2.000 M3H	35
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THE ABOVE MENTIONED PUMPS SHOULD HAVE DISCHARGE PRESSURES FROM 20 TO 90 METERS CL, TAKING INTO ACCOUNT THAT THE SPECIFIC GRAVITY OF THE WASTE VARIES FROM 1.1 TO 1.7

B. VERTICAL CONTAINER PUMPS CAPACITY 140 M3H QUANTITY: 4

THESE CONTAINER PUMPS SHOULD HAVE DISCHARGE PRESSURES OF 25 M CL GIVEN A 1.7 SPECIFIC GRAVITY FOR THE WASTE.

C. CAPACITY 60 TO 120 M3H QUANTITY: 60

DISCHARGE PRESSURES MUST RANGE FROM 15 TO 150 M CL TAKING INTO ACCOUNT THAT THE SPECIFIC GRAVITY OF THE WASTE VARIES FROM 1.0 TO 1.8.

D. APPROXIMATELY ONE HUNDRED AND FIFTEEN (115) VARIABLE-SPEED HYDRAULIC TRANSMISSIONS. THESE TRANSMISSIONS SHOULD BE THE "SCOOP TUBE" TYPE WITH A RANGE OF FROM 20 KW TO 800 KW, AND A TRANSMISSION RATIO OF THREE (3) TO ONE (1). TRANSMISSION UNITS SHOULD BE FULLY EQUIPPED AND MEET THE FOLLOWING SPECIFICATIONS:
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A. FOR OPERATION OF MILLS: VELOCITY OF APPROACH: 880 RPM.
CAPACITY: 1,000 KW-QUANTITY: 4 UNITS

B. FOR OPERATION OF PUMPS: VELOCITY OF APPROACH: 1,180
OR 1,760 RPM.

CAPACITY:	QUANTITY
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20 TO 100 KW	70
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100 TO 400 KW	27
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400 TO 800 KW	14
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THE FLUIDS TO BE PUMPED INCLUDE THOSE LISTED IN SUB-PAR. C, ABOVE.

E. APPROXIMATELY ONE HUNDRED AND NINETY-SEVEN (197) CENTRIFUGAL PUMPS. THESE PUMPS SHOULD HAVE SPIRAL FRAMES AND MUST BE ABLE TO OPERATE UNDER THE FUMES, DUST AND CAUSTIC CONDITIONS NORMALLY FOUND IN BAUXITE TREATMENT PLANS. CAPACITY AND QUANTITY DESIRED ARE:

A. HORIZONTAL PUMPS:

CAPACITY	QUANTITY
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BELOW 20 M 3H	10
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20 TO 100 M3H	25
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100 TO 500 M3H	70
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500 TO 2,000 M3H 45

THE ABOVE MENTIONED PUMPS SHOULD HAVE DISCHARGE PRESSURES FROM 20 TO 120 M CL, EXCEPT FOR ONE (1) PUMP OF 25 M3H WITH A DISCHARGE PRESSURE OF 220 M CL. THE SPECIFIC GRAVITY OF THE FLUIDS TO BE PUMPED WILL VARY FROM 1.0 TO 1.5.

B. PUMPS FOR HYDROCHLORIC AND SULPHURIC ACIDS:

CAPACITY	QUANTITY
20 TO 100 M3H	7
200 TO 400 M3H	3

THESE PUMPS SHOULD HAVE DISCHARGE PRESSURES FROM 30 TO 70 M CL.

C. VERTICAL PUMPS: CAPACITY: 10 TO 100 M3H QUANTITY: 37

THESE PUMPS SHOULD HAVE DISCHARGE PRESSURES FROM 20 TO 70 M CL.

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THE FLUIDS TO BE PUMPED INCLUDE: SOLUTIONS OF SUPER-SATURATED, PRECIPITATED AND WEAKLY CONCENTRATED SODIUM ALUMINATE; ALKALINE CONCENTRATIONS, DILUTE ACIDS AND CONCENTRATED ACIDS.

F. APPROXIMATELY EIGHT HUNDRED AND FIFTY (850) ELECTRIC MOTORS WITH CAPACITIES OF 2.2 KW TO 1,350 KW. THE MOTORS UP TO 250 KW WILL BE FED AT 480 V. THOSE MOTORS OF OVER 250 KW WILL BE FED AT 4,160 V. ALL MOTORS WILL BE OPERATED AT 60 HZ ALTERNATING CURRENT SHOULD BE DESIGNED FOR TROPICAL CONDITIONS, AND MUST BE INSULATED WITH CHEMICAL SEALER AND A CLASS "F" MOISTURE-PROOF (NONHYGROSCOPIC) MATERIAL.

G. FOUR GAS-FIRED BOILERS WITH A STEAM CAPACITY OF 200 METRIC TONS/HOUR AT 14 ATMOSPHERES, 240 DEGREES C, EACH WITH A HEAT RELEASE OF 200,000 KCAL PER M2/HOUR. INsofar AS IS POSSIBLE, THE EXTERNAL COMPONENTS SHOULD BE ASSEMBLED AT THE FACTORY. BOILERS MUST HAVE AN ALTERNATE SYSTEM FOR DIESEL COMBUSTION.

3. EXECUTING AGENCY/PROJECT MANAGER: SEE REFTEL.

4. STATUS OF PROJECTS/ANTICIPATED BID DATES: SEE REFTEL FOR COMPLETE DESCRIPTION OF DOCUMENTATION NEEDED FOR PRE-QUALIFICATION. THE ONLY EXCEPTIONS ARE IN PARAGRAPHS 4)H AND 4)Q. IN THE CALLS FOR BIDS FOR EQUIPMENT, INFORMATION IS REQUIRED ON SPARE PARTS AND SERVICE CAPABILITY IN VENEZUELA. ALSO, IN THE CASE OF THESE SUB-PROJECTS, THE CONTRACTOR(S) WILL NOT BE REQUIRED TO ESTABLISH DOMICILE IN VENEZUELA. THIS MAY BE AN ERROR IN THE CALL FOR PREQUALIFICATION.

5. ESTIMATED PROJECT COST/FOREIGN CONTENT: N/A.

6. COMPETITIVE FACTORS: N/A.

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
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Concepts: n/a
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Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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Disposition Event:
Disposition History: n/a
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Enclosure: n/a
Executive Order: N/A
Errors: N/A
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Original Handling Restrictions: n/a
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Page Count: 4
Previous Channel Indicators: n/a
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Previous Handling Restrictions: n/a
Reference: 77 CARACAS 11712, 77 CARACAS 11311
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 31-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 351490
Secure: OPEN
Status: NATIVE
Subject: MAJOR PROJECT: INTERALUMINA-PRINCIPAL EQUIPMENT
TAGS: BENC, VE
To: COM
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/52f0bb0b-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009